

SESSION 7: Basic Statistics

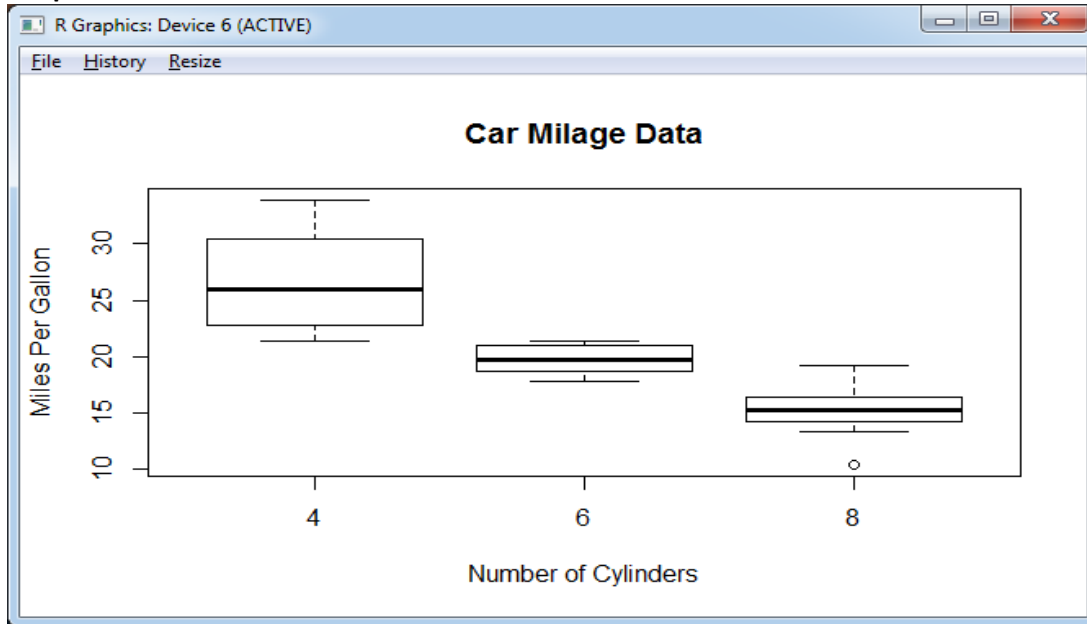
Assignment 3

1. Create a box and whisker plot by class using mtcars dataset.

Answer:

```
boxplot(mpg~cyl,data=mtcars, main="Car Milage Data",  
        xlab="Number of Cylinders", ylab="Miles Per Gallon")
```

Output:

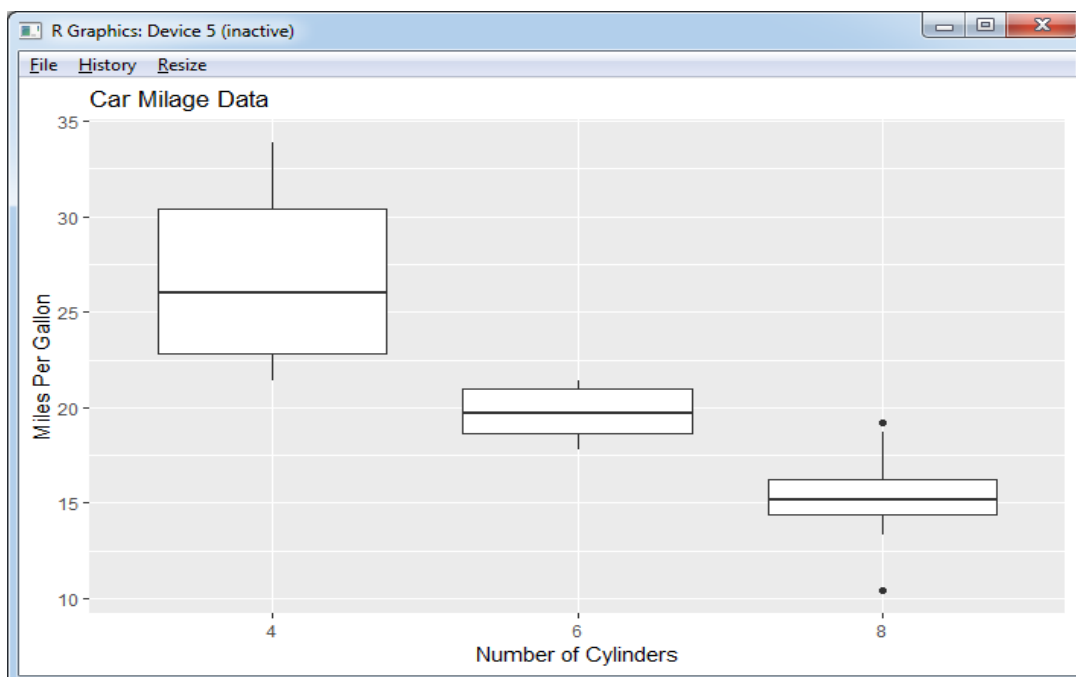


Another way

Answer:

```
qplot(x = factor(cyl), y = mpg, data = mtcars, geom = "boxplot",  
      main="Car Milage Data", xlab="Number of Cylinders",  
      ylab="Miles Per Gallon")
```

Output:



#another way using mpg dataset

```
ggplot(mpg,aes(x=class,y=hwy,fill=class))+  
  ggtitle(toupper("Classes"))+  
  geom_boxplot(alpha=0.3)
```

